

ABSTRACT

An array comprising a plurality of three-color pixel elements is disclosed. The three-color pixel element has square design disposed at the origin of an X, Y coordinate system. Disposed at the center of the square is a blue emitter. Red emitters are disposed in the second and fourth quadrants not occupied by the blue emitter and green emitters are disposed in the first and third quadrants not occupied by the blue emitter. The blue emitter is square shaped, having corners aligned at the X and Y axes of the coordinate system, and the opposing pairs of red and green emitters are generally square shaped, having truncated inwardly-facing corners forming edges parallel to the sides of the blue emitter. The plurality of three-color pixel elements may be arranged in rows and columns to form a display. Each emitter has a transistor. The column lines and row lines are doubled to allow for the transistors of the red emitters and green emitters to be gathered together into the interstitial corners between the three-color pixel elements creating combined transistor groups. With the transistors grouped together, the combined transistors groups and the blue emitters both become less visible, virtually vanishing from sight almost entirely.